and is not available for use for other services. If one collocator cancels service, that equipment generally cannot immediately be used for other customers and may be idle until another collocator requests service. Also, some of the equipment dedicated to collocation may have to be moved to another area of the central office in order to be reused by other services if there is no longer a demand for collocation in that particular central office.

Therefore, all of the costs of this equipment must be charged to one or a limited number of collocation customers in the applicable central office. There are some items (such as EDSX equipment) that can be used for end-user customers as well as collocators. The collocation cost study was structured to identify and account for both dedicated collocation equipment and that which is shared with other services.

- 2. Where a significant amount of Bell Atlantic labor is dedicated to collocation, such as in the design and planning functions and actual site implementation associated with direct interface with the collocators, the associated labor expenses are recovered through a collocation-specific nonrecurring Design an Planning Fee rate element in the tariff. These functions are over and above what Bell Atlantic requires for access services.
- 3. In physical collocation the fiber transmission/multiplexing equipment is not included in the cost study since it is owned and maintained by the collocator. In virtual collocation, only the maintenance, administration, land, building and power/common equipment costs of the fiber transmission/multiplexer, not capital costs, are included in the study since the collocator sells this equipment to Bell Atlantic for a nominal sum. With non-collocation services, the full capital costs and operating expenses of this equipment are recovered through the tariff rate elements.

#### ¶ 73 Request

Fully explain and completely document all data, assumptions, and methodologies used to develop the unit investments, the direct capital costs, and the direct operating costs for the point-to-point DS1 and DS3 special and switched access service with the lowest overhead loading factor. (a.) Include the same documentation for the largest volume point-to-point DS1 and DS3 special and switched access service with (1) the shortest term that is at least one year in length; (2) the longest term (e.g. five years); and (3) the term that is intermediate to the shortest term and the longest term (e.g. three years). (b.) Submit a copy of all cost studies on which the unit

investment, direct capital costs, direct operating costs, and overhead loading factors for these services are based.

#### Response:

These services are all offered pursuant to the Commission's price cap rules, under which current rates are independent of costs. The basis for all price cap adjustments made each year to existing services is fully documented in each year's annual access filing. The derived overhead loadings for DS3 and DS1 access service were developed using a comparison of the current rate level with incremental cost studies. This study was submitted pursuant to an earlier Commission Order and appears in Attachment K<sup>8</sup> The Commission required that the tariff filing that included this study be submitted on 120 days' notice to allow for full public scrutiny.

#### ¶ 75 Request

We request Bell Atlantic to indicate the percentage of the overall collocation revenue it derives from DS1 and DS3 Special and Switched Access services that is attributable to term pricing plans (TPP). (a.) We request Bell Atlantic to provide separate percentages for each TPP (e.g. three-year and five-year).

### Response:

Demand for collocation cross-connect circuits offered under Term Pricing Plans (TPPs) began slowly in November 1996 and is gradually increasing. To date, Bell Atlantic has only experienced demand under its TPP offerings for DS1 level circuits. Bell Atlantic derives 12.01% percent of its overall collocation revenue for DS1 Special and Switched Access services from TPPs (0.34 for 3-Year TPP + 11.67 for 5-Year TPP).

#### ¶ 76 Request

We require Bell Atlantic to state whether its proposed termination liabilities for three- and five-year DS1 and DS3 collocation interconnection TPPs are identical to those for three- and five-year DS1 and DS3 Special and Switched Access service TPPs. (a.) Identify and explain the reason for any difference between termination liabilities for collocation interconnection TPPs and Special and Switched Access service TPPs.

<sup>&</sup>lt;sup>8</sup> Expanded Interconnection with Local Telephone Company Facilities, 8 FCC Rcd. 7341, ¶119 (1993).

#### Response

The proposed termination liabilities for three- and five- year DS1 and DS3 collocation interconnection TPPs are identical to the termination liabilities for switched and special access.

#### ¶86 Request

Explain why it is reasonable to impose on interconnectors a more stringent standard of care than the LECs establish for themselves. (a.) Demonstrate the reasonableness of the tariff provisions requiring interconnectors to indemnify Bell Atlantic for any of these LECs' "own acts or omissions" in connection with the installation, maintenance and repair of the collocators' equipment.

#### Response:

Bell Atlantic performs maintenance on collocator's equipment only under the collocator's immediate direction and supervision. The work performed is only that which the collocator instructs and approves. Therefore, when working on the collocator's equipment, Bell Atlantic's employee is basically working for the collocator, not Bell Atlantic. If the collocator asks the employee to perform work that has the effect of causing damage to Bell Atlantic's facilities or those of another collocator, the collocator should be required to take the responsibility and indemnify Bell Atlantic.

#### ¶87 Request

Demonstrate the reasonableness of extending interconnectors' liability for an indeterminate period, with a minimum but not maximum time limitation, and explain why the minimum time periods they chose are reasonable. (a.) Explain why it is reasonable to permit certain rights of action these LECs have against interconnectors, but not the interconnectors' rights of action against the LECs, to survive termination of interconnection service.

#### Response:

A collocator may leave some of its equipment and facilities in the collocation space for some period of time after terminating service, particularly if no other collocator has an immediate need for the space. The collocator should continue to be liable for any damage caused by the equipment, or by its removal, at least until all equipment is removed and the space turned over to Bell Atlantic. In addition, some technical problems caused by earlier acts of collocators may not become apparent for a period of time after the collocation service has been terminated, and there is no reason why the collocator should be relieved from liability for those acts. Bell Atlantic has

already reduced from three years to 18 months the period of post-termination liability, but such a reasonable period is needed to ensure that all damage that the collocator caused is fully compensated.

### 2. Cage Construction provisions for Physical Collocation Service

#### ¶94 Request

Justify charging any interconnectors for a cage roof, in cases where Bell Atlantic needs access to structures above the interconnector's space, given that it would be Bell Atlantic's decision to place the interconnector's space near overhead structures. (a.) Explain whether it would be reasonable for the Commission to permit the carrier to recover such costs from all interconnectors with collocation arrangements at a central office, rather than recovering those costs from only those interconnectors that take the last available collocation spaces in that central office. (b.) Comment on whether it could reasonably recover the cost of cage roofs from all interconnectors collocation arrangements at a central office by including the costs of an estimated number of cage roofs as part of the average cost for all cages.

#### Response:

In some central offices, the only space available that would accommodate a physical collocation arrangement has existing cable support and overhead structures that contain Bell Atlantic network equipment. In order for Bell Atlantic to maintain access to these overhead structure and not interfere with the dedicated space of an interconnector, cage roofs may be required. Where reasonably feasible, however, collocation space will be set aside for which roofs are not needed. The cost of these roofs would not be needed except for the requirement for physical collocation. Therefore, Bell Atlantic must be permitted to recover these costs.

Where some, but not all, cages in a given central office require roofs, pro-rating roof costs to all collocators would not be feasible. Bell Atlantic will always designate the space that requires no roof to the initial collocators. Only when that space is exhausted will space be designated that requires a cage roof. It would be inconsistent with the Commission's principle that those who cause costs to be incurred should pay those costs.

### **BELL ATLANTIC**

### ATTACHMENT B

TARIFF REVIEW PLAN

PHYSICAL COLLOCATION

DS1 Service - Month-to-Month

### I. Physical Collocation Direct Costs Allocated into Functions

A		Facility Space		E Construction Provisioning	F Inter- Connector -Specific	G Floor Space Function	H Termination Equipment	Installation	DC Power Generation	K Cross- Connection Provisioning	Cross- Connection Cable/Cable	M Cross- Connection Equipment	N Security Installation	O Security Active	P Total Direct Cost
Rate Element	Function	Function	Function	Function	Function	(See Note #2)		Function	Function	Function	Support Function	Function	Function	Function	(Sum B+C+
Cross Connect Charge (See Note #1)	Ĺ					L	9.96		<u> </u>		0.34			L	10.3
Cross Connect Installation - Initial						L				537.64					537.0
Cross Connect Installation - Addi.										172.01					172.0
Cross Connect Rearrangement - Initial										437.42					437.4
Cross Connect Rearrangement - Addt.										121.20					121.
Design & Planning - Single Entrance				3529.72											3529.
Design & Planning - Dual Entrance				4255.40											4255.
Design & Planning - Site Augmentation				1505.32											1505.
Cable Installation	647.80														647.
Cable Support Structure		104.31													104.
DC Power (See Note #1)								94.24	488.24						582.4
AC Outlet					408.00										408.0
Overhead Lighting - Initial Fixture					904.00										904.
Overhead Lighting - Addl. Fixture					112.00										112.0
Cage Construction - Std. 100 Sq. Ft.					5300.00	_									5300.0
Cage Construction - Std. 200 Sq. Ft.					7300.00										7300.0
Cage Construction - Std. 300 Sq. Ft.					9750.00										9750.0
Cage Construction - Std. 400 Sq. Ft.					11980.00										11980.0
Cage Construction - Non-Std. 100 Sq. I	1				7200.00										7200.0
Cage Construction - Non-Std. 200 Sq. I					10800.00										10800.0
Cage Construction - Non-Std. 300 Sq. I					14700.00										14700.0
Cage Construction - Non-Std. 400 Sq.					18500.00										18500.0
Room Construction, Per C.O.	<del></del>		ICB		10000.00										ICB
Network Cable Rack											1.03				1.0
Occupancy Fee - Band 1 (per sq. foot)						1.35									1.3
Occupancy Fee - Band 2 (per sq. foot)						1.62									1.6
Occupancy Fee - Band 3 (per sq. foot)						1.96									1.9
Occupancy Fee - Band 4 (per sq. foot)						2.33									2.:
Occupancy Fee - Band 5 (per sq. foot)						2.71									2.
Occupancy Fee - Band 6 (per sq. foot)						3.13									3.
Occupancy Fee - Band 7 (per sq. foot)			<del></del>			3.76									3.
Basic Security & Escort - Initial 30 min.						3.70							<del></del>	90.00	90.
Basic Security & Escort - Irritial 30 min.		<del></del> +		<del></del>								+		30.00	30.0
Overtime Security & Escort-Initial 30 mil														100.00	100.0
Overtime Security & Escort-Initial 30 mir	<u>.                                    </u>			<del></del>		<del></del>							<del></del>	40.00	40.0
														120.00	120.0
Premium Security & Escort-Initial 30 mi			<del></del>	<del></del>	<del></del>	<del></del>					<del></del>			50.00	50.0
Premium Security & Escort-Addl. 30 mir	l													30.00	50.1
	N 7 44		-1240		d DC D-		anata alla a	145							
L	Note #1: The Rat	e Elements lab	eied Cross Co	nnect Unarge	and DC Power	contain direct	custs allocated	to more than	one function.		-/ Cabla Guar				
										nnection Cable	e/ Cable Support F	unction (\$.34)			
				two functions to											
				ent is allocated						tion Function	\$488.24).				
	The d	irect costs alloc	cated to these	two functions to	otal the unallo	cated direct cos	st for this rate	lement of (\$58	32.48).						
	Note #2: Central (	Office Occupan	cy fees are ba	sed on the ave	rage comment	ial real estate	rates plue cent	ral office							
	feature	s charge, and i	s rated on a pe	er square foot t	pasis. The cos	ts associated v	vith each centr	al office is outli	ined in Attache	ment J.	- 1	7			

#### II. Physical Collocation Rates Allocated into Functions

A	В	С	Q	É	F Inter-	G Floor	н		J	K Cross-	L Cross-	M Cross-	N	0	Р
E	Intrance Facility		Common Construction	Construction	Connector -Specific	Space Function	Termination Equipment	DC Power Installation	DC Power Generation	Connection Provisioning	Connection Cable/Cable	Connection	Security Installation	Security Active	Total Direct Co:
Rate Element	Function	Function	Function	Function	Function	(See Note #2)		Function	Function	Function	Support Function		Function	Function	(Sum B+C
Cross Connect Charge (See Note #1)	TUITOLICIT			1 41101111	, and	(000 11212 112)	16,93		1	- Carrotton	0.58	- Tanotion	1 4/10(15.1	1 01.0001	17
Cross Connect Installation - Initial			ļ — — — —	<del> </del>			10.00		<del> </del>	1.00				<del> </del>	1
Cross Connect Installation - Addl.					<del></del>				<del> </del>	0.75			<del></del>	<del> </del>	ļ
Cross Connect Rearrangement - Initial			f	f	<del></del>		<u> </u>		<del></del>	0.90			<del></del>	<del></del>	1
Cross Connect Rearrangement - Addl.			<del> </del>	<del> </del>		<del> </del>			<del></del>	0.60					1 - 7
Design & Planning - Single Entrance			f	3530.00		f			<del></del>	0.00	<del></del>				353
Design & Planning - Single Entrance			<del> </del>	4255.00					ļ	<del></del>				<del> </del>	425
Design & Planning - Dual Entrance			<del>}</del>	1505.00		<del>                                     </del>			<del></del>	<del> </del>	<del></del>				150
	647.80		<del> </del>	1303.00			L		<b> </b>	l ———				<del></del>	64
Cable Installation	047.80	420.77	<del> </del>							<b></b>				ļ	
Cable Support Structure		132.77	<del> </del>					440.00	577.42					<b></b>	132
DC Power (See Note #1)			ļ	ļ	400.00		<u> </u>	119.96	5//.42					·	697
AC Outlet				ļ	408.00	<u> </u>								·	40
Overhead Lighting - Initial Fixture			ļ	<u> </u>	904.00				ļ						90
Overhead Lighting - Addl. Fixture			ļ	ļ	112.00									l	113
Cage Construction - Std. 100 Sq. Ft.			ļ		5300.00										5300
Cage Construction - Std. 200 Sq. Ft.					7300.00										730
Cage Construction - Std. 300 Sq. Ft.			Ĺ <u> </u>		9750.00										9750
Cage Construction - Std. 400 Sq. Ft.					11980.00								!		11980
Cage Construction - Non-Std. 100 Sq. Ft	·		ļ		7200.00							1			7200
Cage Construction - Non-Std. 200 Sq. Ft			L	L	10800.00										10800
Cage Construction - Non-Std. 300 Sq. Ft					14700.00										14700
Cage Construction - Non-Std. 400 Sq. Ft				L	18500.00										18500
Room Construction, Per C.O.			ICB												ICB
Network Cable Rack											1.31				1
Occupancy Fee - Band 1 (per sq. foot)						1.35									1
Occupancy Fee - Band 2 (per sq. foot)						1.62									1
Occupancy Fee - Band 3 (per sq. foot)						1.96									1
Occupancy Fee - Band 4 (per sq. foot)						2.33									2
Occupancy Fee - Band 5 (per sq. foot)						2.71									2
Occupancy Fee - Band 6 (per sq. foot)						3.13									3
Occupancy Fee - Band 7 (per sq. foot)						3.76									3
Basic Security & Escort - Initial 30 min.														90.00	90
Basic Security & Escort - Addl. 30 min.														30.00	30
Overtime Security & Escort-Initial 30 min.														100.00	100
Overtime Security & Escort-Addl. 30 min.														40.00	40
Premium Security & Escort-Initial 30 min.														120.00	120
Premium Security & Escort-Addl. 30 min.														50.00	50
									+						
				+						<del></del>		<del></del> +			
N	ote #1: The Rate	e Flements la	beled Cross C	nnect Charge	and DC Power	contain rates	allocated to mo	re than one fi	nction			<del></del> +	<del></del>	<del></del> +	
	Rates	for the Cross	Connect Chan	e element is a	located amon	the Terminati	on Function (\$	6 93) and the	Cross-Conne	ction Cable!	ble Support Fundi	on (\$ 58)			
	The re	tes allocated	to these two file	nctions total the	unallocated	ate for this rate	element of \$1	7.51		S.C. Odbier Oc	S. Support i ditali	J., (4.00).			
				allocated amo					C Generation	Function (\$57	7.42)	<del></del>			
	The A	rect costs allo	cated to these	two functions to	otal the unalle	ested direct con	et for this rate	lement of /ea	27 28)	L Trionoli (42)	.72).				
	1116 01	ou costs and	CC100 10 111550	THO ITH IOUOTIS II	Jen 1110 Ullallu	and direct con	ar ioi mia rate e	ioment of (ad	Jr. 20).						
	ote #2: Central C	office Occurs	on fone arc he	red on the si	rade comman	iol rool petoto	ratas plua cade	ol office	+			·			
	ue #∠. Centralic								ned in Attachem						

### B

### III. Physical Collocation Investment DS1 Entrance Facility Installation Function

A  Rate Elements/Investment Items	Unit Investment	Installation Hours (#1)	D Installation Direct Cost Per Hour (#1)	E Engineering Hours (#1)	F Engineering Direct Cost Per Hour (#1)	G Installed Unit Investment (B+(C*D)+(E*F))	H Unit Capacity
Recurring Rate Element 1	<del> </del>	<del> </del>				(B.(O D).(L1))	
Item A							
Item B							
Item C							
Item D							
Item E							
Total	-			-	-		
Recurring Rate Element 2							
Item A							
Item B							
Item C							
Item D							
Item E							
Total			-		_		-
Recurring Rate Element 3							
Item A							
Item B							
Item C							
Item D							
Item E							
Total	<u> </u>					_	
Cable Installation							
Installation Work		10.00	64.78			647.80	
Total	2			777	-	<u>-</u> -	
Nonrecurring Rate Element 2							
Item A							
Item B							
Item C							omilianologoadia esti
Total	-	<del></del>					<u> </u>
<u> </u>							
Nonrecurring Rate Element 3							
Item A							
Item B							
Item C							
Total	 N-4- #4- C		· · · · · · · · · · · · · · · · · · ·				
				re supplied in bi	JIK by the vendor	s and a breakout o	r labor rates
		ours are not ava				y vendors, so wher	

### III. Physical Collocation Investment DS1 Entrance Facility Installation Function

Recurring Rate Element 1	A Rate Elements/Investment Items	Fill Factor (% Utilization)	Unit Capacity Investment (B/H/I)	Installation Per Unit (C*D/H/I)	Engineering Per Unit (E*F/H/I)	M Installed Unit Capacity Investment (G/H/I)	N Required No. of Items Per Unit	O Total Installed Unit Cap Investment (M*N)
3 item B 4 item C 5 item D 5 item D 6 item E 7 Total	Recurring Rate Element 1			3-1117	\\\			
A	Item A							
Siltern D	Item B							}
Siltern E	Item C				\			
Total   -								
Recurring Rate Element 2	Item E							
Recurring Rate Element 2	Total	-						
Item A	Recurring Rate Element 2							
Item B   Item C								
Item C								
Item D	item C							
Item E					1			
Total	Item E		,		<u> </u>		<del>,</del>	<del></del>
Recurring Rate Element 3								
Item B   Item C	Recurring Rate Element 3							
Item C   Item D	Item A							
Item D   Item E								
Item E								
Total								L
Cable Installation   Installation   Installation   Vork   1   0   647.80   0   647.80   1   64								
Installation Work								
Total — 647.80 0.00 647.80 64  Nonrecurring Rate Element 2								
Total	Installation Work	1	0	647.80	0	647.80	1	647.8
Nonrecurring Rate Element 2 Item A Item B Item C Total	Total			647.80	0.00	647,80		647.8
Item B Item C Total  Nonrecurring Rate Element 3 Item A Item B Item C Total  Total  Nonrecurring Rate Element 3 Item A Item B								
Item C								
Nonrecurring Rate Element 3 Item A Item B Item C Total								
Nonrecurring Rate Element 3 Item A Item B Item C Total								
Nonrecurring Rate Element 3  Item A  Item B  Item C  Total	Total							
Item A Item B Item C Total	Nonrecurring Rate Element 3			<del></del>	<del></del>			
Item B Item C Total =								
Item C Total -					·			
Total -								
<u> </u>								
	<u></u>				comparation accounts a confidence.			

### IV. Physical Collocation Direct Costs DS1 Entrance Facility Installation Function

Α	Р	Q	R	S	Т	U	V	w
Rate Elements/Investment Items	Depreciation ACF	Cost of Money ACF	FIT ACF	SLIT ACF	Other Tax ACF	Maintenance ACF	Administrative ACF	Other ACF
Recurring Rate Element 1	<del>                                     </del>	<del> </del>		<del>                                     </del>	<del>                                     </del>			
Item A								
Item B				†			<u> </u>	
Item C	<del>                                     </del>		<del></del>	<del> </del>	<del> </del>	ļ		
Item D								
Item E				<del> </del>	<del> </del>			
######################################	-	_		_				
Total								<del></del>
Recurring Rate Element 2								
ítem A								
Item B								
Item C								
Item D	<del>                                     </del>							
Item E					, ,			
Total		-	<u></u>				-	
iviai								
		<del>                                     </del>		ļ				
Recurring Rate Element 3								
item A								
Item B								
Item C		ļ						
Item D								
Item E								
Total	-	-		-			_	
				-				
Cable Installation					_			
Installation Work	_						-	_
		_				-		
Total		-		-				<u> </u>
<u></u>			- Anna Carlotte					
Nonrecurring Rate Element 2								
Item A								
						<del></del>		
Item B						••		
Item C	_						~-	_
Total		<del></del>		=		<u>-</u>		-
Nonrecurring Rate Element 3								
Item A		_	-					
Item B								
Item C		-			_			<del></del>
Total				<del>-</del>		-	- 1	

42 43 44

### IV. Physical Collocation Direct Costs DS1 Entrance Facility Installation Function

Α	Х	Y	Z	AA	BB	СС	DD	EE
Rate Elements/Investment Items	Depreciation Expense (O*P)	Dollar Cost of Money	FIT Expense (O*R)	SLIT Expense (O*S)	Other Tax Expense	Maintenance Expense	Administrative Expense	Other Expense
1 Recurring Rate Element 1	(O P)	(O*Q)	( <u>O K)</u>	(0.5)	(O*T)	(O*U)	(O*V)	(O*W)
2 Item A	<del>- </del>	<del> </del>			<del></del>	<del> </del>	<del> </del>	<del> </del>
3 Item B	<del> </del>	<del> </del>	<del></del>	<del> </del>	<del></del>	<del></del>	<del> </del>	<del> </del>
4 Item C	<del></del>			<del> </del>	<del> </del>	<del> </del>	<del></del>	<del> </del>
5 Item D	<del> </del>		<del></del>	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>
6 Item E	<del> </del>			<del> </del>		<del> </del>	<del> </del>	<del> </del>
7 Total								
8								
9 Recurring Rate Element 2	<del> </del>					<del> </del>		
0 Item A	<del> </del>				<del> </del>			<del> </del>
1 Item B	<del> </del>		· <del></del>	<b> </b>		<del>                                     </del>		
2 Item C	<del> </del>	1		f				
3 Item D	<del>                                     </del>				<del> </del>	t		
4 Item E	†		<del></del>	1	<del> </del>		·	<del></del>
5 Total								
6								
7 Recurring Rate Element 3	† <del></del>				1			
8 Item A	<del> </del>							
9 Item B								<del></del>
0 Item C					†			<del></del>
1 Item D								
2 Item E								
3 Total								
4								
5 Cable Installation				_				
6 Installation Work					-	-		
7	_							-
8 Total	-		-	-	-			-
9								
0 Nonrecurring Rate Element 2	_					-		
1 Item A					_			
2 Item B				_				
3 Item C								
4 Total	-	-	-	-			_	
5								
6 Nonrecurring Rate Element 3			_					
7 Item A	=							
8 Item B		_		-	_			
9 Item C							-	
0 Total			_	_		-	-	
1								and the second s
2								
3								
4								

### V. Physical Collocation Price Out DS1 Entrance Facility Installation Function

A	FF	GG	нн	ti	11	КК	LL	ММ
	Total Annual	Total Monthly	Monthly	Nonrecurring Hrly.	Total			Units Require
	Recurring Direct	Recurring Direct	Recurring Rate	Direct Labor Cost	Nonrecurring	Nonrecurring	Unit Of	Per 100
Rate Elements/Investment Items	Unit Cost	Unit Cost	Per Unit	Other Than in	Direct Unit Cost	_	Measure	DS1s
	(Sum X+Y+EE)	(FF/12)	rei Oilit	D or F	(O or II)	Nate Per Offic	Wicasure	
1 Recurring Rate Element 1								
2 Item A	ļ		<u> </u>					<u></u>
3 Item B	ļ			<u> </u>	<u> </u>		<u> </u>	
4 Item C		ļ			<u></u>		<u> </u>	
5 Item D	<u> </u>							l
6 Item E				-			<u> </u>	Ĺ
7 Total					<u>-</u>	-	-	<u> </u>
8	ļ	<u> </u>						
9 Recurring Rate Element 2		ļi					<del> </del>	ļ
0 Item A						<u>-</u>	<del> </del>	
1 Item B	ļ	<del></del>	ļ.———		-		<del></del>	
2 Item C						<del>-</del>	<del> </del>	
3 Item D		ļ				<del></del>	ļ	
4 Item E						`- `		
5 Total				-		# ,		-
6 7 Recurring Rate Element 3		<del> </del>	<b></b>		-		<del> </del>	
						<del></del>	<del> </del>	
8 Item A 9 Item B					<del></del>			
0 Item C	<del> </del>	<b></b>				<del></del>	<del> </del>	<del></del>
I Item D							<del> </del>	
					<u></u>	v	-	
3 Total 4							-	<del></del>
Cable Installation		<del></del>						
Installation Work					647.80	647.80	Per Cable	1.0
7								
3 Total	-	-			647.80	647,80		_
9								
Nonrecurring Rate Element 2								
1 Item A								
2 Item B			_					
Item C	**							
4 Total							-	
5								
Nonrecurring Rate Element 3								
7 Item A	<u></u>	<b>-</b>						
item B								
Item C						When the second		
Total							-	-
2								
3								
4								

## V. Physical Collocation Price Out DS1 Entrance Facility Installation Function

Α	NN	00	PP A ii	QQ	RR	SS	Π	บบ
	Total Monthly Recurring	Total Nonrecurring	Amortized Nonrecurring	Total Monthly	Total Monthly Recurring	Total Nonrecurring	Amortized Nonrecurring	Total Monthl
Rate Elements/Investment Items	Direct Cost (GG*MM)	Direct Cost (JJ*MM)	Direct Cost	Direct Cost (NN or PP)	Charge (HH*MM)	Charge (KK*MM)	Charge	Charge (RR or TT)
Recurring Rate Element 1								
Item A								
Item B						-		
Item C							-	
Item D		<u></u>	<b></b>					
Item E			<b></b>					
Total			<del>-</del>			<del>-</del>		
Recurring Rate Element 2			-			-		
Item A		ļ <u>=</u>				<b></b>	<del>_</del>	ļ
Item B				<u> </u>			<del>_</del>	
Item C						<u></u>		ļ
Item D		ļ <del>.</del>		- <del></del>	<del></del>			
Item E						-	<b></b>	
Total						<del></del>	+-	
Recurring Rate Element 3		-						
Item A			-					
Item B		<b></b>				-	-	
Item C								
Item D								
Item E								
Total		-	<del></del>				<del></del>	
Cable Installation								
Installation Work		647.80	13.99	13.99		647.80	13.99	13.9
Total	-	647.80	13.99	13.99	-	647.80	13.99	13.9
Nonrecurring Rate Element 2								
Item A		- <del></del>						
Item B		<del>-</del>				<del>-</del>	<del></del>	
Item C								
Total					-			
Nonrecurring Rate Element 3	<del>-</del>							
Item A	<u>-</u>							
Item B					<del>-</del> +			
Item C	<del></del>							
Total	the contract of the contract o	/ Direct Cost Per	100 DS1e	13 00 1		Charge Per 10	1081e	13.99
	41 TOTAL MONUITY	Direct Obst Per	TOO DO 19	13.38	TI TOWN MUNICING	Charge Fer 10	, no 19	13.98



### III. Physical Collocation Investment DS1 Entrance Facility Space Function

Α	В	С	D	E	F	G	Н
	1		Installation		Engineering		
	Unit	Installation	Direct Cost	Engineering	Direct Cost	Installed Unit	Unit
Rate Elements/Investment Items	Investment	Hours (#1)	Per Hour (#1)	Hours (#1)	Per Hour (#1)	Investment	Capacity
Tato Liamonto in Control Romo		1.55.5 ()			. 6 6	(B+(C*D)+(E*F))	Capacity
Cable Support Structure							
CO Manhole (See Note #2)	18,650.00	1.00	0.00	1.00	0.00	18,650.00	64.00
Entrance Conduit	49.46	1.00	421.20	1.00	143.59	614.25	3.00
CO Vault (See Note #2)	400,000.00	1.00	0.00	1.00	0.00	400,000.00	384.00
Riser Duct	1,703.00	1.00	3,432.00	1.00	1,170.00	6,305.00	3.00
Cable Rack	3,278.00	1.00	11,352.00	1.00	3,870.00	18,500.00	20.00
Conduit	310.00	1.00	2,640.00	1.00	900.00	3,850.00	3.00
Total	**	_					
Recurring Rate Element 3							
Item A							
Item B							
Item C							
Total				2.2			
1.0001							
Recurring Rate Element 3							
Item A							
Item B							
Item C							
Total		-			<del></del>		<del></del>
N. D. S. St. St. S.							
Nonrecurring Rate Element 1							
Item A							
Item B							
Item C							
Item D							
Item E							
Total	-						
Nonrecurring Rate Element 2							
Item A							
Item B							
Item C							
Total		<del></del>		-			<del></del>
Nonrecurring Rate Element 3							
Item A							
Item B							
Item C							
Total			<u>.</u>	2_			
						and the second contract of the second contrac	

Note #1: Some installation & engineering prices are supplied in bulk by the vendors and a breakout of labor rates and hours are not available. Also, installation & engineering dollars are sometimes bulked together by vendors, so where the engineering column is blank, these dollars are included with the installation.

Note #2: Installation & Engineering investment included in Material investment. Investment is a meld of 50% of

# III. Physical Collocation Investment DS1 Entrance Facility Space Function

	A  Rate Elements/Investment Items	Fill Factor (% Utilization)	J Unit Capacity Investment (B/H/I)	K Installation Per Unit (C*D/H/I)	L Engineering Per Unit (E*F/H/I)	M Installed Unit Capacity Investment (G/H/I)	N Required No. of Items Per Unit	O Total Installed Unit Cap Investment (M*N)
1	Cable Support Structure						- <u>-</u> -	
2	CO Manhole (See Note #2)	68.00%	428.54	0.00	0.00	428.54	1.00	428.54
	Entrance Conduit (See Note #3)	100.00%	16.49	140.40	47.86	204.75	1.00	204.75
	CO Vault (See Note #2)	100.00%	1,041.67	0.00	0.00	1,041.67	1.00	1,041.67
5	Riser Duct (See Note #3)	100.00% 100.00%	567.67 163.90	1,144.00	390.00	2,101.67	1.00	2,101.67
	Cable Rack (See Note #3) Conduit	100.00%	103.33	567.60 880.00	193.50 300.00	925.00	1.00 1.00	925.00
		100.00%	2,321.59	2,732.00	931.36	1,283.33		1,283.33
	Total Recurring Rate Element 3		2,321.09	2,732,00	831.30	5,984.96	<del>-</del>	5,984.96
	Item A							
	Item B	<del></del>		<del></del>				
2	Item C							
	Total							
4	2.0.4				<u> </u>		*********************	<u> </u>
	Recurring Rate Element 3	<b> </b>						
	Item A							
	Item B							
8	Item C							
9	Total							
0								
	Nonrecurring Rate Element 1							
2	Item A							
	Item B							
	Item C							
	Item D							
	Item E							
	Total							
8	N							···
	Nonrecurring Rate Element 2 Item A	<del> </del>						
	Item B	<del>                                     </del>						
	Item C							
2	Total							
4	tyta							
	Nonrecurring Rate Element 3	<del> </del>						
	Item A	<del>                                     </del>	<del></del>					
	Item B	<del>                                     </del>				-	<del></del>	
	Item C							
	Total						<u> </u>	
0		4	<u> </u>					

# IV. Physical Collocation Direct Costs DS1 Entrance Facility Space Function

Α	Р	Q	R	S	Т	U	V	W
Rate Elements/Investment Items	Depreciation ACF	Cost of Money ACF	FIT ACF	SLIT ACF	Other Tax ACF	Maintenance ACF	Administrative ACF	Other ACF
Cable Support Structure								
CO Manhole (See Note #2)	0.0232	0.1021	0.0464		0.0056		0.0290	
Entrance Conduit (See Note #3)	0.0232	0.1021	0.0464		0.0056		0.0290	
CO Vault (See Note #2)	0.0253	0.1035	0.0470		0.0101		0.0290	
Riser Duct (See Note #3)	0.0232	0.1021	0.0464		0.0056		0.0290	
Cable Rack (See Note #3)	0.0253	0.1035	0.0470		0.0101		0.0290	
Conduit	0.0232	0.1021	0.0464		0.0056		0.0290	
Total		-		-			-	-
Recurring Rate Element 3					<u> </u>			
Item A								
Item B								
Item C								
Total								<u>-</u> -
Recurring Rate Element 3								
Item A								
Item B								
Item C								
Total		-				-	<u>-</u>	
Nonrecurring Rate Element 1		<del></del>						
Item A							<del></del>	
Item B						<u>-</u>		
Item C					<u>-</u>	<del>_</del>		
Item D	<b></b>				<u> </u>			
Item E								
Total			-	-				-
Nonrecurring Rate Element 2					<del> </del>			
					<del></del>	<del>-</del>		
Item A Item B	<del>-</del>					<del></del>		
					<del></del>			
Item C Total		-	-			<del></del>		
TUG								
Nonrecurring Rate Element 3	<del></del>				<del></del>	<del>-</del> +	<del></del>	<del></del>
Item A					<del></del>		<del></del>	
Item B					<del></del>			
Item C	- <del>-</del> -							
Total		4		_			-	
	الله المتهدة والمناز المتحدد والمساور	<u></u>			needalineed and the contribution of the			

# IV. Physical Collocation Direct Costs DS1 Entrance Facility Space Function

Α	X	Y	Z	AA	ВВ	CC	DD	EE
Rate Elements/Investment Items	Depreciation Expense (O*P)	Dollar Cost of Money (O*Q)	FIT Expense (O*R)	SLIT Expense (O*S)	Other Tax Expense (O*T)	Maintenance Expense (O*U)	Administrative Expense (O*V)	Other Expense (O*W)
Cable Support Structure								
CO Manhole (See Note #2)	9.94	43.75	19.88	0.00	2.40	0.00	12.43	0.0
Entrance Conduit (See Note #3)	4.75	20.90	9.50	0.00	1.15	0.00	5.94	0.0
CO Vault (See Note #2)	26.35	107.81	48.96	0.00	10.52	0.00	30.21	0.0
Riser Duct (See Note #3)	48.76	214.58	97.52	0.00	11.77	0.00		0.0
Cable Rack (See Note #3)	23.40	95.74	43.48	0.00	9.34	0.00	26.83	0.0
Conduit	29.77	131.03	59.55	0.00	7.19	0.00	37.22	0.0
Total	142.98	613.82	278.88	0.00	42.37	0.00	173.56	0,0
Recurring Rate Element 3								
Item A								
Item B								
Item C								
Total								
Recurring Rate Element 3							- <del> </del>	
Item A								
Item B	<del> </del>					· · · · · · · · · · · · · · · · · · ·		
Item C								
Total								
Nonrecurring Rate Element 1								
Item A		_						
Item B								
Item C								
Item D								
Item E		-						
Total								
Total								
Nonrecurring Rate Element 2	<del>  </del>	_ <del></del> _						
Item A	<del></del>							
Item B	<u> </u>							
Item C	<u>-</u>							
Total								
				-	<del></del>			
Name	<del> </del>							
Nonrecurring Rate Element 3	<del></del>							<del>_</del>
Item A	<del>-</del>							<del>_</del>
Item B	<del>-</del> -						<del></del>	
Item C					-			<del></del>
Total	- ↓	. <del></del>		i da				

# V. Physical Collocation Price Out DS1 Entrance Facility Space Function

Α	FF	GG	НН	11	JJ	KK	LL	ММ
	Total Annual	Total Monthly	Monthly	Nonrecurring Hrly.	Total			Units Require
	Recurring Direct			Direct Labor Cost	Nonrecurring	Nonrecurring	Unit Of	Per 100
Rate Elements/Investment Items	Unit Cost	Unit Cost	Per Unit	Other Than in	Direct Unit Cost	Rate Per Unit	Measure	DS1s
	(Sum X+Y+EE)	(FF/12)	(See Note #4)	D or F	(O or II)			
1 Cable Support Structure							<u> </u>	
2 CO Manhole (See Note #2)	88.41		9.38		<del>-</del>		Per Manhole	1.0
3 Entrance Conduit (See Note #3)	42.24		4.48			-	Per 75 Feet	1.0
4 CO Vault (See Note #2)	223.85		23.75		<del></del>		Per 4,000 Sq F1	1.0
5 Riser Duct (See Note #3)	433.57	36.13	45.99	_	_	-	32.5 ft w/2Bore	1.0
6 Cable Rack (See Note #3)	198.78		21.09	_		_	Per 107.5 Feet	1.0
7 Conduit	264.75	22.06	28.08				Per 25 Feet	1.0
8 Total	1,251.61	104.30	132.76	_				_
9 Recurring Rate Element 3								
0 Item A					_			
1 Item B								
2 Item C								
3 Total				-				-
4					,			
5 Recurring Rate Element 3						-		
6 Item A				-				
7 Item B				-				
8 Item C								
9 Total						40		<u> </u>
0								
Nonrecurring Rate Element 1						·· · · · · · · · · · · · · · · · · ·		
2 Item A								
Item B								
4 Item C		_						
5 Item D								
Item E	_							
7 Total								
3								
Nonrecurring Rate Element 2								
Item A								
I Item B								
2 Item C								
3 Total								
1								<u> </u>
Nonrecurring Rate Element 3				<del></del>				
Item A	-							
Item B								
Item C	+						<del></del>	
Total		<u> </u>						
)		T. Control of the con		<u>,</u>				

# V. Physical Collocation Price Out DS1 Entrance Facility Space Function

A	NN Total Monthly	OO Total	PP Amortized	QQ	RR Total Manthly	SS Total	TT A-markinard	UU
	Recurring	Nonrecurring	Nonrecurring	Total Monthly	Total Monthly Recurring	Nonrecurring	Amortized Nonrecurring	Total Monthly
Rate Elements/Investment Items	Direct Cost (GG*MM)	Direct Cost (JJ*MM)	Direct Cost	Direct Cost (NN or PP)	Charge (HH*MM)	Charge (KK*MM)	Charge	Charge (RR or TT)
1 Cable Support Structure								
2 CO Manhole (See Note #2)	7.37		_	7.37	9.38	_	_	9.3
3 Entrance Conduit (See Note #3)	3.52		-	3.52	4.48	-		4.4
4 CO Vault (See Note #2)	18.65	_		18.65	23.75			23.7
5 Riser Duct (See Note #3)	36.13	-		36.13	45.99			45.9
6 Cable Rack (See Note #3)	16.57			16.57	21.09		_	21.0
7 Conduit	22.06			22.06	28.08			28.0
8 Total	104.30		_	104.30	132.76	_		132.7
9 Recurring Rate Element 3								
0 Item A							-	
1 Item B			-					
2 Item C						<del>-</del>		
3 Total						-		
4								
Recurring Rate Element 3		-	-			-		
3 Item A								
7 Item B								<del></del>
8 Item C								
9 Total								
0								
1 Nonrecurring Rate Element 1	-							
2 Item A					<b></b>		<del></del>	·
3 Item B							· -—	
4 Item C			<del></del>					
5 Item D	_							
item E								
7 Total								
8								
9 Nonrecurring Rate Element 2								
O Item A				<del></del>				
1 Item B	<del></del>			<del></del>				
2 Item C	- <del> </del>							
3 Total 4								
Nonrecurring Rate Element 3								
	<del>-</del>							
Item A								
7 Item B								
Item C						·		
9 Total	<del>-</del>							
0	40 Total Monthly	5	100 001		40 Total Monthl			132.76



### III. Physical Collocation Investment DS1 Construction Provisioning Function

A  Rate Elements/Investment Items	B Unit Investment	C Installation Hours	D Installation Direct Cost Per Hour	Engineering Hours	F Engineering Direct Cost Per Hour	G Installed Unit Investment (B+(C*D)+(E*F))	H Unit Capacity
Recurring Rate Element 1						(8.(0.6).(2.1))	
2 Item A							
Total				-			77
Recurring Rate Element 2							
Item A							-
Total	<del>-</del> -	-	-	-			
Recurring Rate Element 3			ļ		,		
Item A							
Total	4					<u> </u>	
Design & Planning - Single Entrance				40.00	70.00		
Collocation Coordinator				12.00	79.90	958.80	
Product Manager				1.00	84.10	84.10	
Administrator				2.00	75.51	151.02	
Engineering				12.00 5.00	59.56	714.72	
Network Operations				10.00	61.93 72.05	309.65 720.50	
Real Estate				3.00	63.29	189.87	
Security	<del></del>			4.00	61.93	247.72	<del></del>
Power Risk Management				2.00	76.68	153.36	
Total				2.00	70.00	- 133.30 	
Design & Planning - Dual Entrance Collocation Coordinator Product Manager				15.00 1.00	79.90 84.10	1,198.50 84.10	1
Administrator				2.00	75.51	151.02	
Engineering				16.00	59.56	952.96	1
Network Operations				9.00	61.93	557.37	
Real Estate				10.00	72.05	720.50	
Security				3.00	63.29	189.87	-
Power				4.00	61.93	247.72	1
Risk Management				2.00	76.68	153.36	1
Total			-		-+ <del>-</del>	<del></del>	
Design & Planning - Site Augmentation Collocation Coordinator				6.00	79.90	479.40	
Product Manager				1.00	84.10	84.10	1
Administrator				1.00	75.51	75.51	1
Engineering				0.00	0.00	0.00	0
Network Operations				5.00	61.93	309.65	1
Real Estate				3.00	72.05	216.15	1
Security				1.00	63,29	63.29	1
				2.00	61.93	123.86	1
Power				2.00	76.68	153.36	1
Power Risk Management Total				2.00			

### III. Physical Collocation Investment DS1 Construction Provisioning Function

Rate Elements/Investment Items	Fill Factor (% Utilization)	J Unit Capacity Investment (B/H/I)	Installation Per Unit (C*D/H/I)	L Engineering Per Unit (E*F/H/I)	M Installed Unit Capacity Investment (G/H/I)	N Required No. of Items Per Unit	O Total Instal Unit Cap Investmen (M*N)
Recurring Rate Element 1							
Item A							
Total						-	
Recurring Rate Element 2	<del></del>					ļ	<u> </u>
Item A							<del> </del>
Total							
Recurring Rate Element 3							
Item A							
Total	<u> </u>						
Design & Planning - Single Entrance							
Collocation Coordinator	100.00%	0.00	0,00	958.80	958.80	1.00	95
Product Manager	100.00%	0.00	0.00	84.10	84.10	1.00	8
Administrator	100.00%	0.00	0.00	151.02	151.02	1.00	15
Engineering	100.00%	0.00	0.00	714.72	714.72	1.00	71
Network Operations	100.00%	0.00	0.00	309.65	309.65	1.00	30
Real Estate	100.00%	0.00	0.00	720.50	720.50	1.00	72
Security	100.00%	0.00	0.00	189.87	189.87	1.00	18
Power	100.00%	0.00	0.00	247.72	247.72	1.00	24
Risk Management Total	100.00%	0.00	0.00	153.36 3,529.74	153.36 3,529.74	1.00	15 3,52
Design & Planning - Dual Entrance Collocation Coordinator	100.00%	0.00	0.00	1,198.50	1,198.50	1.00	1,19
Product Manager	100.00%	0.00	0.00	84.10 151.02	84.10 151.02	1.00	8- 15
A .d				101.02			
Administrator	100.00%			952.96		1.00	
Engineering	100.00%	0.00	0.00	952.96 557.37	952.96	1.00	95
Engineering Network Operations	100.00% 100.00%	0.00 0.00	0.00 0.00	557.37	952.96 557.37	1.00 1.00	95 55
Engineering Network Operations Real Estate	100.00%	0.00	0.00		952.96 557.37 720.50	1.00 1.00 1.00	95 55 72
Engineering Network Operations Real Estate Security	100.00% 100.00% 100.00%	0.00 0.00 0.00	0.00 0.00 0.00	557.37 720.50	952.96 557.37	1.00 1.00	95 55 72 18
Engineering Network Operations Real Estate	100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	557.37 720.50 189.87	952.96 557.37 720.50 189.87	1.00 1.00 1.00 1.00	95 55 72 18 24
Engineering Network Operations Real Estate Security Power Risk Management Total	100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	557.37 720.50 189.87 247.72	952.96 557.37 720.50 189.87 247.72	1.00 1.00 1.00 1.00 1.00	95 55 72 18 24 15
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation	100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	557.37 720.50 189.87 247.72 153.36	952.96 557.37 720.50 189.87 247.72 153.36	1,00 1,00 1,00 1,00 1,00 1,00	95 55 72 18 24 15 4,25
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator	100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	557.37 720.50 189.87 247.72 153.36	952.96 557.37 720.50 189.87 247.72 153.36	1.00 1.00 1.00 1.00 1.00 1.00	95. 55 720 188 241 153 4,258
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager	100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	557.37 720.50 189.87 247.72 153.36 479.40 84.10	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10	1.00 1.00 1.00 1.00 1.00 1.00 1.00	95 55 72 18 24 15 4,25 478
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager Administrator	100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00	557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51	1.00 1.00 1.00 1.00 1.00 1.00 1.00	95. 55 72. 18. 24. 15. 4,25. 47. 84
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager Administrator Engineering	100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	95. 55 72! 18: 24: 15: 4,25: 475 84
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager Administrator Engineering Network Operations	100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	95: 55: 72: 18: 24: 15: 4,25: 47: 84 75: 0
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager Administrator Engineering Network Operations Real Estate	100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65 216.15	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65 216.15	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	95. 55 72: 188 244 15: 4,25: 475 84 75 0 306 216
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager Administrator Engineering Network Operations Real Estate Security	100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65 216.15 63.29	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65 216.15 63.29	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	95: 55: 72: 18: 24*; 15: 4,25: 47: 84 7: 0 30: 21:6
Engineering Network Operations Real Estate Security Power Risk Management Total Design & Planning - Site Augmentation Collocation Coordinator Product Manager Administrator Engineering Network Operations Real Estate	100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65 216.15	952.96 557.37 720.50 189.87 247.72 153.36 479.40 84.10 75.51 0.00 309.65 216.15	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	95: 55: 72: 18: 247: 4,25: 47: 63: 216: 63: 123: 153:

### IV. Physical Collocation Direct Costs DS1 Construction Provisioning Function

Rate Elements/Investment Items  Recurring Rate Element 1 Item A  Total  Recurring Rate Element 2 Item A  Total	Depreciation ACF	Cost of Money ACF	FIT ACF	SLIT ACF	Other Tax ACF	Maintenance ACF	Administrative ACF	Other ACF
Item A Total  Recurring Rate Element 2 Item A		<u></u>				1		1
Item A Total  Recurring Rate Element 2 Item A					<del> </del>		+	
Recurring Rate Element 2			J					
Item A	<u> </u>	<u>- Francisco (2000-2004)</u>			- 0			
Item A		-						<del> </del>
		<del>                                     </del>		-		<del> </del>		<del></del>
		-						-
Recurring Rate Element 3	ļ			<u> </u>		-		
Item A			<del> </del>			<del></del>	+	<del> </del>
Total								
Design & Planning - Single Entrance								
Collocation Coordinator				-	-			
Product Manager	-			ļ <u></u>				
Administrator			<del></del>					
Engineering		_		-		<u>-</u>	-	
Network Operations		<del>-</del>	<del>-</del>					===
Real Estate	-							
Security			<del></del>	<del></del>				
Power	<del> </del>							<b>_</b> _
Risk Management Fotal		_	<u></u>	L	<del></del>			
[otal		<del>-</del>		-		-	-	(100 m) (100 <del>(10</del> 0 m)
Design & Planning - Dual Entrance							<del></del>	
Collocation Coordinator	<u> </u>		- <del>-</del>				<u>-</u>	=
Product Manager						<u>:</u>		
Administrator								
Ingineering								
letwork Operations								
Real Estate								
Security								
ower								
Risk Management								
otal			-	-	<u> </u>	-		
esign & Planning - Site Augmentation				_			-	
Collocation Coordinator							-	
roduct Manager								
dministrator					.=			
ngineering		_	-	_				
letwork Operations		_		-				
eal Estate					-			_
ecurity	_						_	
ower		-		<u>-</u>				
isk Management				-	-	-		
otal					-	-		_

## IV. Physical Collocation Direct Costs DS1 Construction Provisioning Function

Α	X	Y	Z	AA	BB	cc	DD	EE
Rate Elements/Investment Items	Depreciation Expense (O*P)	Dollar Cost of Money (O*Q)	FIT Expense (O*R)	SLIT Expense (O*S)	Other Tax Expense (O*T)	Maintenance Expense (O*U)	Administrative Expense (O*V)	Other Expens (O*W)
Recurring Rate Element 1		† · · · · · · · · · · · · · · · · · · ·		3		, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	, , ,
Item A								
Total								
Recurring Rate Element 2	-					<del> </del>	<u> </u>	-
Item A		1						
Total								
Recurring Rate Element 3		+	<u> </u>				<del> </del>	
Item A				<del>                                     </del>			· · · · · · · · · · · · · · · · · · ·	··
Total								
Design & Planning - Single Entrance					-			
Collocation Coordinator			<u> </u>					-
Product Manager								
Administrator				<del>-</del>			-	
Engineering Network Operations		† <del></del>			<u> </u>		ļ — <del>-</del>	
Real Estate								
Security		† <u>-</u>						-
Power								
Risk Management	-		_		-			_
Total			-			-		-
Design & Planning - Dual Entrance		-	-		-		-	
Collocation Coordinator								
Product Manager					-			
Administrator	<u>-</u>		<del></del>	-				<u></u>
Engineering Network Operations	- <del>-</del>							
Real Estate								
Security						_		
Power					<u>-</u>			· · ·
Risk Management		_						
Total	-		-	<del></del>	-		<del></del> -	
Design & Planning - Site Augmentation								
Collocation Coordinator		-						
Product Manager					<b>_</b> _		<u></u>	
Administrator								
Engineering								
Network Operations			<del></del>					
Real Estate Security			<del>-</del>					
Power				<del></del>				
Risk Management				<u>:</u>				
Total								
	**************************************			annangative di Maria (1966)	<u>anar i an angaragnaga an iliji i iliji ili</u>			ลาสส สสสสสสสีชีวส์ติกล์ติกล์ติ

### V. Physical Collocation Price Out DS1 Construction Provisioning Function

	A  Rate Elements/Investment Items	FF Total Annual Recurring Direct Unit Cost (Sum X+Y+EE)	GG Total Monthly Recurring Direct Unit Cost (FF/12)	HH Monthly Recurring Rate Per Unit	II Nonrecurring Hrly. Direct Labor Cost Other Than D or F	JJ Total Nonrecurring Direct Unit Cost (O or II)	KK Nonrecurring Rate Per Unit	LL Unit Of Measure	MM Units Require Per 100 DS1s
	Recurring Rate Element 1								
	Item A								
	Total		<del>                                      </del>		====	-	<del></del>	**	-
	Recurring Rate Element 2				-	-	-		
Į	Item A				_	_			
	Total				-		<del>-</del>		# # # # # # # # # # # # # # # # # # #
	Recurring Rate Element 3				_				
	Item A								
	Total				-	<del>-</del> -	<del> </del>		
	Design & Planning - Single Entrance		<u> </u>	-					
	Collocation Coordinator	<del>-</del>				958.80		Per Request	1
	Product Manager			<b>-</b>		84.10		Per Request	1.
	Administrator					151.02		Per Request	1
	Engineering			<del>-</del>	<del>-</del> _	714.72		Per Request	1
Į	Network Operations		<u></u>	<b></b>		309.65		Per Request	1
	Real Estate					720.50	720.00	Per Request	1
	Security		<u> </u>		<del>-</del>	189.87	190.00	Per Request	1
	Power		-			247.72	248.00	Per Request Per Request	1
	Risk Management Total			-		153.36 3,529.74	3,530.00		1.
Ì									
	Design & Planning - Dual Entrance		<b></b>						
	Collocation Coordinator			_ <del>-</del>		1,198.50		Per Request	1
	Product Manager					84.10 151.02		Per Request Per Request	1
	Administrator			<u> </u>		952.96		Per Request	1
	Engineering	<del></del>				557.37		Per Request	<u></u>
	Network Operations		<del></del>			720.50		Per Request	<u>_</u>
	Real Estate	<del></del>			<del>-</del>	189.87		Per Request	1
	Security	<del>_</del>				247.72		Per Request	<u>'</u>
	Power					153.36		Per Request	<u>'.</u>
	Risk Management Total					4,255.40	4,255.00		
ŀ	Design & Planning - Site Augmentation	<u></u>							
	Collocation Coordinator					479.40	479.00	Per Request	1.
	Product Manager		-		-	84.10	84.00	Per Request	1.
	Administrator	-		-		75.51	76.00	Per Request	1.
	Engineering	_				0.00	0.00	Per Request	1.
	Network Operations				-	309.65	310.00	Per Request	1.0
	Real Estate				-	216.15		Per Request	1.0
	Security	-		-		63.29		Per Request	1.0
	Power					123.86		Per Request	1.0
II	Risk Management					153.36		Per Request	1.0
	Nisk Management		4-			1,505.32	1,505.00		

## V. Physical Collocation Price Out DS1 Construction Provisioning Function

A  Rate Elements/Investment Items	NN Total Monthly Recurring Direct Cost (GG*MM)	OO Total Nonrecurring Direct Cost (JJ*MM)	PP Amortized Nonrecurring Direct Cost	QQ Total Monthly Direct Cost (NN or PP)	RR Total Monthly Recurring Charge (HH*MM)	SS Total Nonrecurring Charge (KK*MM)	Amortized Nonrecurring Charge	Total Monthli Charge (RR or TT)
Recurring Rate Element 1		,						1
Item A			-					
Total			4.5			-	-	
Recurring Rate Element 2								
Item A			-					
Total			<u> </u>			-	-	
Recurring Rate Element 3								
Item A		_				-		
Total		=	<u> </u>			==		
Design & Planning - Single Entrance								
Collocation Coordinator		958.80	20.71	20.71		959.00	20.71	20.
Product Manager	<u> </u>	84.10	1.82	1.82		84.00	1.81	1.8
Administrator		151.02	3.26	3.26		151.00	3.26	3.2
Engineering	- <del>-</del> -	714.72	15.44	15.44		715.00	15.44	15.4
Network Operations	<del>-</del>	309.65	6.69	6.69		310.00	6.70	6.7
Real Estate	<del>-</del>	720.50	15.56	15.56		720.00	15.55	15.5
Security		189.87	4.10 5.35	4.10		190.00	4.10	4.1
Power		247.72	3.31	5.35		248.00	5.36	5.3
Risk Management		153.36	76.24	3.31 76.24		153.00	3.30	3.3
Total	-2	3,529.74	76.24	70,24	<u></u>	3,530,00	76.25	76.2
Design & Planning - Dual Entrance	<del>-</del>	1 100 50						
Collocation Coordinator		1,198.50	25.89	25.89		1,199.00	25.90	25.9
Product Manager		84.10	1.82	1.82	<del>-</del>	84.00	1.81	1.8
Administrator		151.02 952.96	3.26 20.58	3.26		151.00	3.26	3.2
Engineering	<del></del>	557.37	12.04	20.58 12.04		953.00	20.58	20.5
Network Operations	- <del> </del>	720.50	15.56	15.56		557.00 720.00	12.03	12.0
Real Estate	<del>   </del>	189.87	4.10	4.10		190.00	15.55	15.5
Security		247.72	5.35	5.35		248.00	4.10 5.36	4.1 5.3
Power Risk Management	- - <del></del>	153.36	3.31	3.31		153.00	3.30	3.3
Total		4,255.40	91.92	91.92		4,255.00	91,91	91.9
Design & Planning - Site Augmentation			94.92	J1.52		1,200.00	0.1,01	~
Collocation Coordinator		479.40	10.36	10.36		479.00	10.35	10.3
Product Manager		84.10	1.82	1.82	_	84.00	1.81	1.8
Administrator		75.51	1.63	1,63		76.00	1.64	1.6
Engineering		0.00	0.00	0.00		0.00	0.00	0.0
Network Operations		309.65	6.69	6.69		310.00	6.70	6.7
Real Estate		216.15	4.67	4.67		216.00	4.67	4.6
Security	-	63.29	1.37	1.37		63.00	1.36	1.30
Power		123.86	2.68	2.68		124.00	2.68	2.6
Risk Management		153.36	3.31	3.31		153.00	3.30	3.3
Total	+	1,505.32	32.51	32.51		1,505.00	32.51	32.5
	47 Total Monthly	Direct Cost Per 10	0 DS1s	200.67	47 Total Monthly	Charge Per 10	) DS1e	200.66